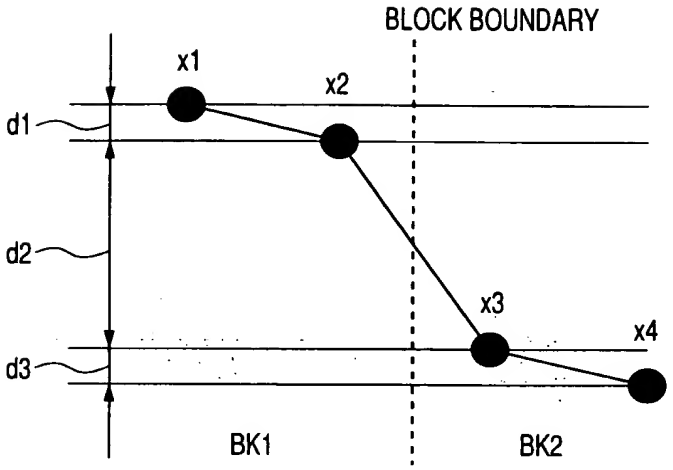



FIG.1 RELATED ART

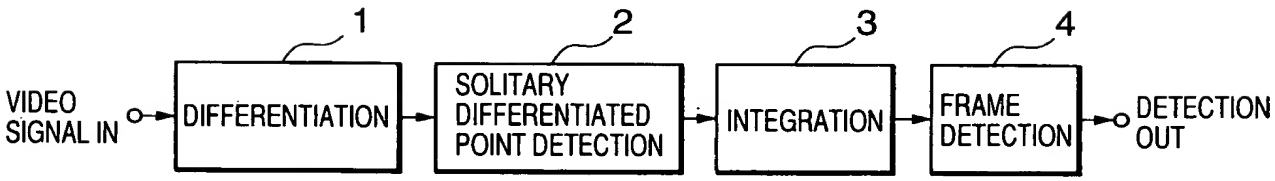
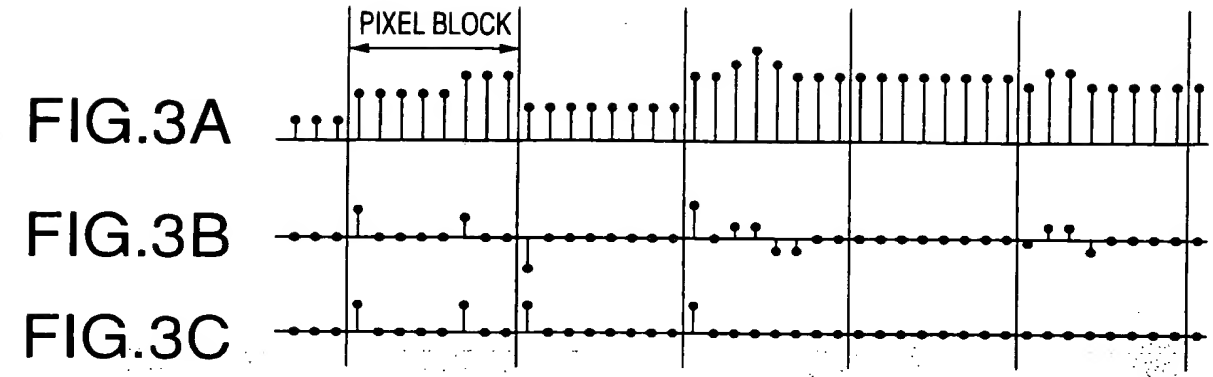



FIG.2

FIG.3A

FIG.3B

FIG.3C



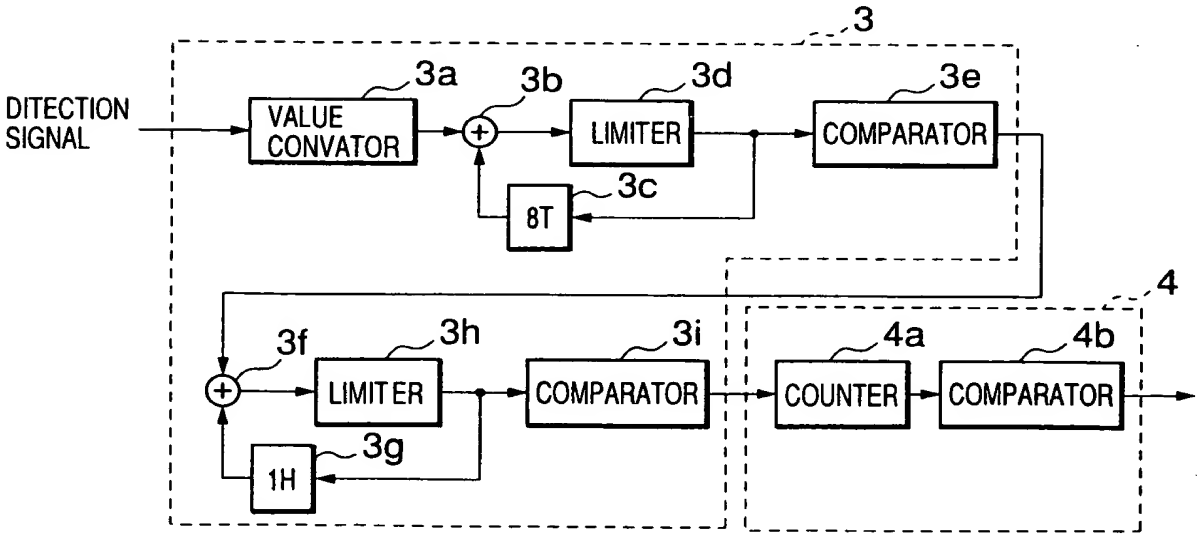




FIG.4

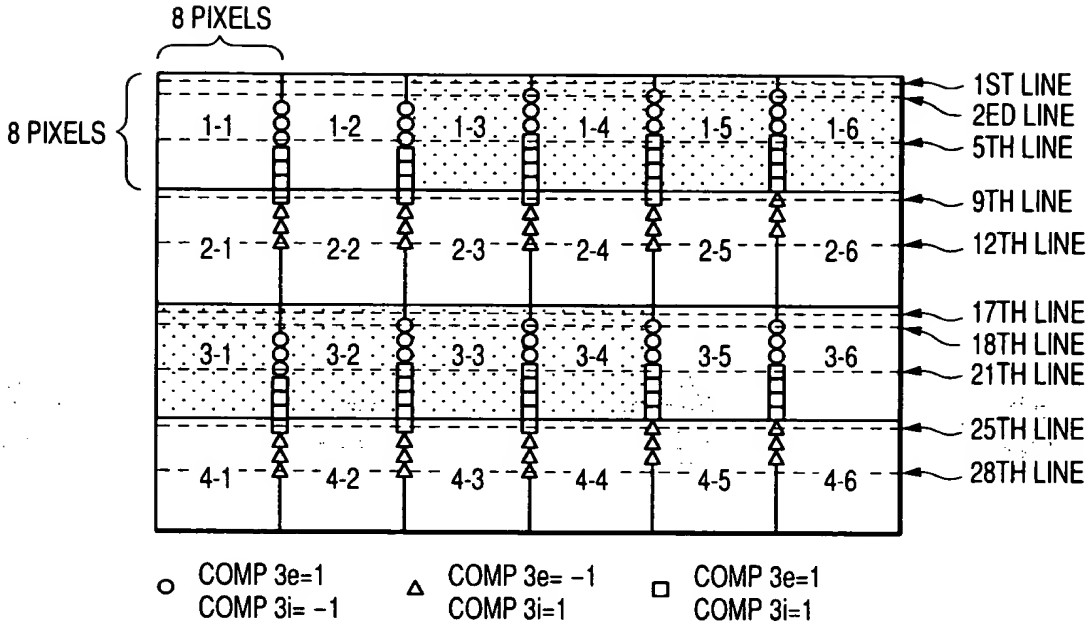

8 PIXELS
8 PIXELS
1-1
1-2
1-3
1-4
1-5
1-6
2-1
2-2
2-3
2-4
2-5
2-6
3-1
3-2
3-3
3-4
3-5
3-6
4-1
4-2
4-3
4-4
4-5
4-6
1ST LINE
2ED LINE
5TH LINE
9TH LINE
12TH LINE
17TH LINE
18TH LINE
21TH LINE
25TH LINE
28TH LINE
COMP 3e=1
COMP 3i= -1
COMP 3e= -1
COMP 3i=1
COMP 3e=1
COMP 3i=1

FIG.5

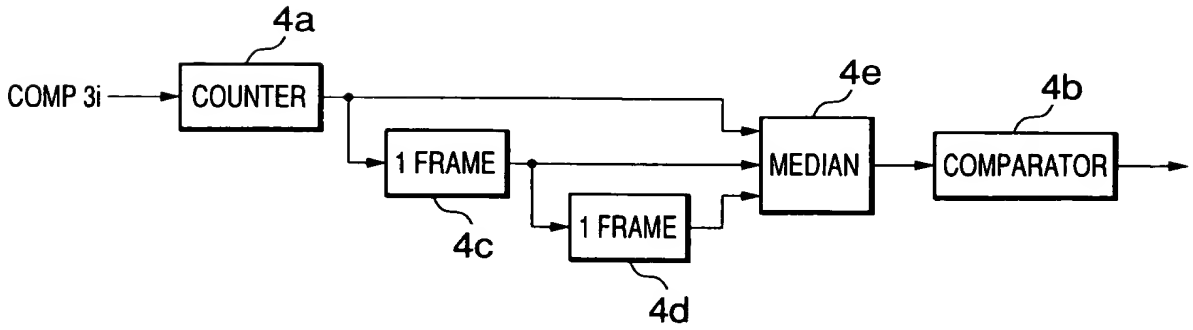

4a
COMP 3i
COUNTER
1 FRAME
4c
1 FRAME
4d
4e
MEDIAN
4b
COMPARATOR

FIG.6

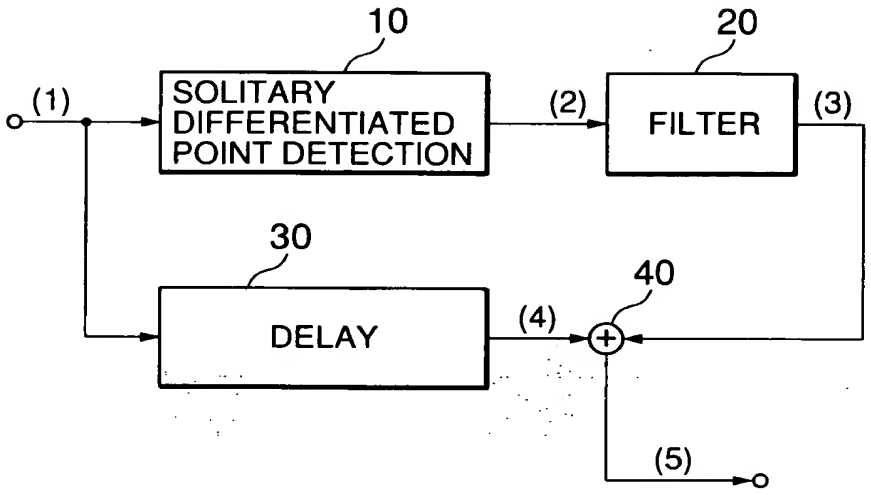
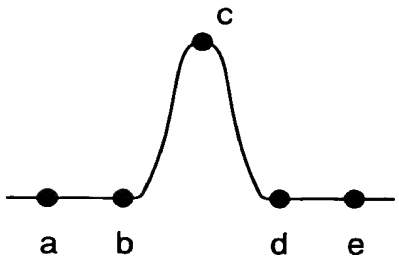



FIG.7




| c-d | > | d-e | AND | b-c | > | a-b | BUT NOT
b ≦ c ≦ d AND b ≧ c ≧ d

FIG.8

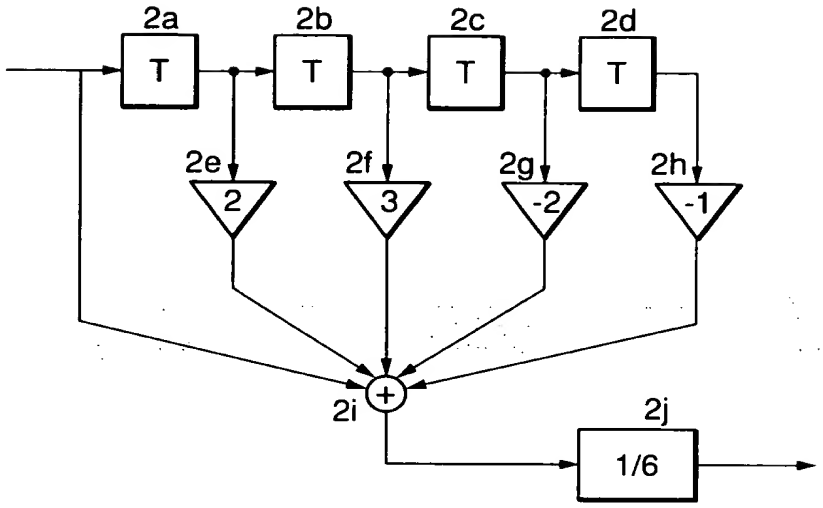



FIG.9

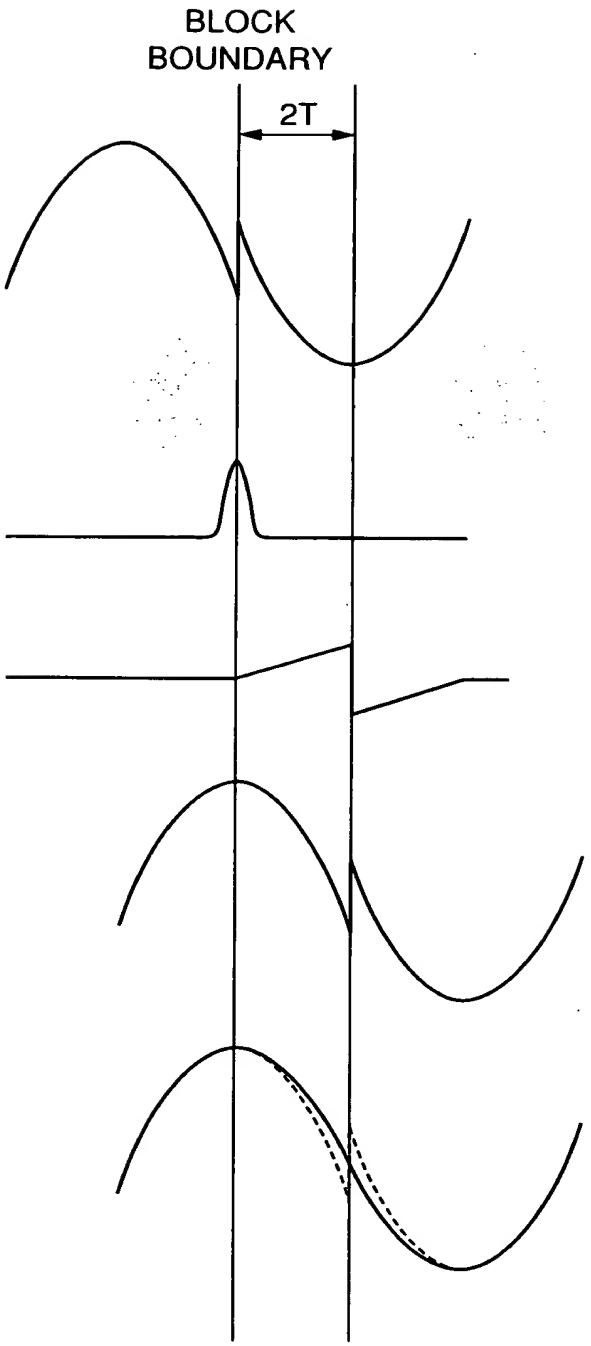
FIG. 10A

FIG. 10B

FIG. 10C

FIG. 10D

FIG. 10E



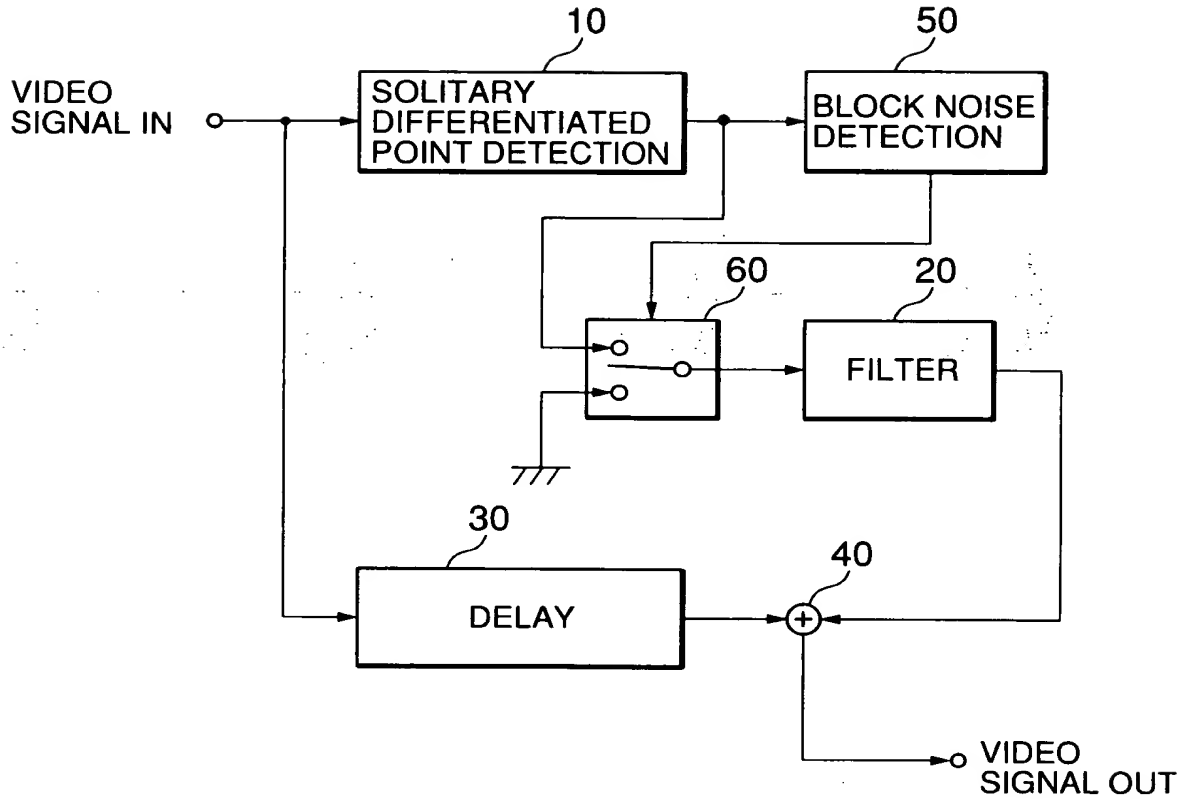

10
50
VIDEO
SIGNAL IN
SOLITARY
DIFFERENTIATED
POINT DETECTION
BLOCK NOISE
DETECTION
60
20
FILTER
30
40
DELAY
VIDEO
SIGNAL OUT

FIG. 11